

**Course wise Teaching Plan for Session : Summer 2019****Course : COMPUTER NETWORKS****Faculty : pravin.kshirsagar@raisoni.net - DR. PRAVIN RAMDAS KSHIRSAGAR**

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction - Network architecture -Design	03/12/2018	BECL306	B
1	1	Reference models- The OSI Reference Model	04/12/2018	BECL306	B
1	2	Reference models- The OSI Reference Model	05/12/2018	BECL306	B
1	2	Reference models- The OSI Reference Model	07/12/2018	BECL306	B
1	3	The TCP/IP Reference Model, A Comparison of the OSI and TCP/IP Reference Models	07/12/2018	BECL306	B
1	4	Design Issues	10/12/2018	BECL306	B
1	3	The TCP/IP Reference Model, A Comparison of the OSI and TCP/IP Reference Models	11/12/2018	BECL306	B
1	4	Switching Techniques: Circuit and Packet Switching	12/12/2018	BECL306	B
1	5	Switching Techniques: Circuit and Packet Switching	14/12/2018	BECL306	B
1	6	Connectionless and Connection-oriented Services	14/12/2018	BECL306	B
2	8	Introduction to data link layer	17/12/2018	BECL306	B
1	5	Introduction to data link layer	18/12/2018	BECL306	B
1	6	DLC Services,	19/12/2018	BECL306	B
1	7	Virtual Circuit and Datagram Subnets, Autonomous system	24/12/2018	BECL306	B
1	7	DLL Protocol, DLL Protocol, HDLC, PPP	26/12/2018	BECL306	B
2	14	Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet	31/12/2018	BECL306	B
2	8	Media Access Control	01/01/2019	BECL306	B
2	9	Introduction (Infrastructure and Ad-hoc Networks), , ,	02/01/2019	BECL306	B
3	15	Introduction (Infrastructure and Ad-hoc Networks), , ,	04/01/2019	BECL306	B
3	16	Fundamentals of WLAN - technical issues	04/01/2019	BECL306	B
3	17	Network Architecture, IEEE 802.11- physical layer	04/01/2019	BECL306	B

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3	18	Mac Layer Mechanism, CSMA/CA	07/01/2019	BECL306	B
2	10	Fundamentals of WLAN – technical issues	08/01/2019	BECL306	B
2	11	Network Architecture, IEEE 802.11-physical layer	09/01/2019	BECL306	B
3	19	Bluetooth - Specification	14/01/2019	BECL306	B
2	12	Mac Layer Mechanism, CSMA/CA	15/01/2019	BECL306	B
2	13	Transport Layer, Middleware Protocol Group	16/01/2019	BECL306	B
3	20	Transport Layer, Middleware Protocol Group	18/01/2019	BECL306	B
3	21	Bluetooth Profiles of IEEE 802.16	18/01/2019	BECL306	B
3	22	differences between IEEE 802.11 and 802.16	28/01/2019	BECL306	B
2	14	Bluetooth Profiles of IEEE 802.16	29/01/2019	BECL306	B
3	15	differences between IEEE 802.11 and 802.16	30/01/2019	BECL306	B
4	23	Network Layer Services	01/02/2019	BECL306	B
4	24	Packet Switching	01/02/2019	BECL306	B
4	25	Network Layer Performance	04/02/2019	BECL306	B
3	16	Network Layer Services	05/02/2019	BECL306	B
3	17	Packet Switching	06/02/2019	BECL306	B
3	18	Network Layer Performance	06/02/2019	BECL306	B
4	26	IPv4, addresses	08/02/2019	BECL306	B
4	27	Forwarding of IP packets	08/02/2019	BECL306	B
4	28	Network layer protocols :IP, ICMPv4, Mobile IP	11/02/2019	BECL306	B
3	19	IPv4, addresses	12/02/2019	BECL306	B
3	20	Forwarding of IP packets	13/02/2019	BECL306	B
4	29	Unicast Routing: Introduction, Routing Algorithms, Unicast Routing protocols	15/02/2019	BECL306	B
5	30	Introduction to Multicast Routing	15/02/2019	BECL306	B



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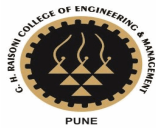
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Unit	Topic Code	Topic Covered	Date	Course	Section
5	31	Next Generation IP:IPv6 Addressing, IPv6 Protocol	22/02/2019	BECL306	B
5	32	ICMPv6, Transition from IPv4 to IPv6	22/02/2019	BECL306	B
5	33	Mac Layer Mechanism, CSMA/CA	25/02/2019	BECL306	B
3	21	Network layer protocols :IP, ICMPv4, Mobile IP	26/02/2019	BECL306	B
3	22	Unicast Routing: Introduction, Routing Algorithms, Unicast Routing protocols	27/02/2019	BECL306	B
5	34	Introduction :Transport Layer Protocol	01/03/2019	BECL306	B
5	35	Transport Layer Protocol Services	01/03/2019	BECL306	B
6	38	SCTP	01/03/2019	BECL306	B
4	23	Introduction to Multicast Routing	05/03/2019	BECL306	B
4	24	Next Generation IP:IPv6 Addressing, IPv6 Protocol	06/03/2019	BECL306	B
5	36	Port number user Datagram Protocol(UDP)	08/03/2019	BECL306	B
5	37	Transmission Control Protocol (TCP)	08/03/2019	BECL306	B
6	41	Flow Control	15/03/2019	BECL306	B
6	42	Introduction to Application Layer	15/03/2019	BECL306	B
6	39	Quality of Services	18/03/2019	BECL306	B
6	40	Dataflow Characteristics	18/03/2019	BECL306	B
4	25	Introduction :Transport Layer Protocol	19/03/2019	BECL306	B
4	26	Introduction to Application Layer	20/03/2019	BECL306	B
6	43	World Wide web , HTTP	22/03/2019	BECL306	B
6	44	FTP	22/03/2019	BECL306	B
6	45	Electronic mail, Telnet, Name System	29/03/2019	BECL306	B
6	46	Cryptography & Network Security	29/03/2019	BECL306	B
6	47	Introduction to Symmetrical key ciphers and Asymmetric key Ciphers	29/03/2019	BECL306	B
6	48	Introduction to network security	29/03/2019	BECL306	B



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Unit	Topic Code	Topic Covered	Date	Course	Section
2	9	DLC Services	21/12/2019	BECL306	B
2	10	DLL Protocol	21/12/2019	BECL306	B
2	11	HDLC, PPP	24/12/2019	BECL306	B
2	12	Media Access Control	28/12/2019	BECL306	B
2	13	Wired LAN: Ethernet Protocol, Standard Ethernet	28/12/2019	BECL306	B